

MR2685-91
Appln. No. 09/890,253
Reply to Office Action dated 8/11/2004

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (amended) A data processing system using dual monitors, the system comprising:

 a memory for providing a data processing area using a program;

 at least one or more input means for inputting data;

 a first video graphics adapter (VGA) for generating and outputting screen data for displaying a result processed by at least one or more programs;

 a second video graphics adapter for generating and outputting screen data for displaying a result processed by at least one or more programs, the result being different from the result processed and contents displayed by the first VGA;

 a processor for processing data input through the input means using the memory and outputting the processed result through the first and second VGAs;

 a first monitor for displaying screen data output from the first graphics adapter; and

 a second monitor for displaying screen data output from the second graphics adapter,

wherein the processor displays the processed result of a main program presently used by a user through the first VGA and the first monitor, processes information, which is different from the contents displayed on the first monitor and input from the outside, and displays the information through the second VGA and the second monitor, and in case of selecting one of user interfaces displayed through the first or second monitors, displays the processed result on the other monitor.

Claim 2 (original) The system as claimed in Claim 1, further comprising a sound processing part having a microphone for inputting sound signal and a speaker for outputting sound, which are integrated to the first and second monitors.

Claim 3 (original) The system as claimed in Claim 1, wherein the second monitor is constructed integrally with the first monitor and has a screen size smaller than that of the first monitor.

Claim 4 (original) The system as claimed in Claim 1, wherein the processor further includes a communication interface for communicating with an external network, thereby forming a network.

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Claim 5 (original) The system as claimed in Claim 1, further comprising a digital camera integrated with the dual monitors and for inputting video information, wherein video data input by the digital camera is input to the processor through the a universal serial bus (USB) port.

Claim 6 (original) The system as claimed in Claim 1, wherein the processor further includes a broadcasting receiving part for receiving TV/Radio broadcasting wave and outputting video and audio signals.

Claim 7 (original) The system as claimed in Claims 1 or 6, wherein video data received by the broadcasting receiving part is output through one of the first and second VGAs.

Claim 8 (original) The system as claimed in Claims 1, further comprising a broadcasting receiving part mounted integrally with one of the first and second monitors to receive TV broadcasting, the broadcasting receiving part transmitting received broadcasting signal to the processor and outputting video signal through one of the first and second VGAs.

Claim 9 (original) The system as claimed in Claim 1, further comprising a broadcasting receiving part mounted integrally with one of the first and second monitors to receive TV broadcasting, the broadcasting receiving part being controlled by the processor, converting video signal of the received broadcasting signals into video signal and outputting video signal through one of the first and second monitors.

Claim 10 (original) The system as claimed in Claim 1, wherein the first and second VGAs and the first and second monitors are connected with one video cable respectively.

Claim 11 (original) The system as claimed in Claim 1, wherein the first and second VGAs and the first and second monitors are connected with one video cable, which integrates a plurality of lines for transmitting two video signals into one package.

Claim 12 (original) The system as claimed in Claim 1, wherein the first and second VGAs are constructed with a dual VGA having two output ports.

Claim 13 (original) The system as claimed in Claim 1, wherein the first and second VGAs have one D-sub connector serving as a video output port, the D-sub connector having a plurality of pins for processing and transmitting two video signals, and the first and second monitors have one D-sub connector serving as a video input port, the D-sub connector having a plurality of pins for receiving two video signals, and the video output port and the video input port are connected with each other by one video cable integrating a plurality of lines into one package.

Claim 14 (original) A dual monitor for use in a computer system having a VGA outputting two video signals comprising:

a first monitor for receiving and displaying a first information data comprising main processing contents of a program, which is presently being used by a user, output from a processor of the computer system; and

a second monitor formed integrally with the first monitor, for receiving and displaying anyone of the first information data being displayed on the first monitor, a second information data and an ad data which are provided with the computer system through a network.

Claim 15 (original) The system as claimed in Claim 14, wherein the second monitor has a screen size smaller than that of the first monitor.

Claim 16 (original) A method for controlling network using a data processing system having a dual monitor, the method comprising the steps of:

constructing a network using a plurality of computers and a server, the computer using a dual monitor having first and second monitors as a display means, the server connecting the plurality of computers with the network to control them and connecting to an Internet; and

displaying results processed by a program used by a user on the first monitor and an information provided by a server on the second monitor, when the user connects to the network using the computer.

Claim 17 (original) The method as claimed in Claim 16, wherein the information displayed on the second monitor is a message or ad contents provided and displayed by the server.

Claim 18 (original) The method as claimed in Claim 16, wherein the server secures a control right to the second monitor of the user's computer and controls the use of the second monitor by the user's manipulation.

Claim 19 (original) The method as claimed in Claim 16, wherein, when the plurality of the computers connected to the network are used as a settlement system, the first or second monitors connected to a reporter's computer and a deciding officer's computer respectively display settlement contents transmitted from the other parties' computers respectively and the other monitors display different data except for the settlement contents respectively.

Claim 20 (original) The method as claimed in Claim 16, wherein, when the plurality of the computers connected to the network are used as a message communication system, the received message is displayed on the second monitor.

Claim 21 (original) The method as claimed in Claim 16, wherein, when at least two or more users work jointly with the same program using the plurality of computers connected to the network, the contents of the other party's work is displayed on the second monitor to work while confirming the contents of the other party's work at the same time.

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Claim 22 (original) The method as claimed in Claim 16, wherein, when the plurality of the computers connected to the network are used as a video communication system, a digital camera is mounted on each computer, the user's picture is transmitted to the other party's computer, and at the same time, the user's picture is displayed on one of the first and second monitors, and the other party's picture is displayed on the other monitor.